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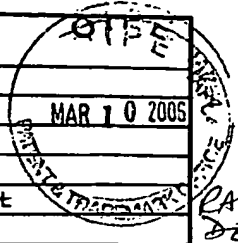
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Sarah M. Barnett

IDS Form PTO/SB/08: Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/738,917
				Filing Date	December 16, 2003
				First Named Inventor	Holly HOGREFE et al.
				Art Unit	1634 1652
				Examiner Name	Thomas John O'FARRELL
Sheet	1	of	7	Attorney Docket Number	04121.0116-08000



U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>[Initials]</i>		US-4,376,110	03-08-1983	David et al.	
		US-4,683,202	07-28-1987	Mullis	
		US-4,795,699	01-03-1989	Tabor et al.	
		US-4,873,192	10-10-1989	Kunkel	
		US-4,921,794	05-01-1990	Tabor et al.	
		US-4,946,786	08-07-1990	Tabor et al.	
		US-5,001,050	03-19-1991	Blanco et al.	
		US-5,075,216	12-24-1991	Innis et al.	
		US-5,079,352	01-07-1992	Gelfand et al.	
		US-5,210,036	05-11-1993	Comb et al.	
		US-5,310,652	05-10-1994	Gelfand et al.	
		US-5,322,785	06-21-1994	Comb et al.	
		US-5,352,778	10-04-1994	Comb et al.	
		US-5,352,785	10-04-1994	Herzberg et al.	
		US-5,374,553	12-20-1994	Gelfand et al.	
		US-5,407,800	04-18-1995	Gelfand et al.	
		US-5,422,239	06-06-1995	Wands et al.	
		US-5,427,928	06-27-1995	Slesarev	
		US-5,436,149	07-25-1995	Barnes	
		US-5,449,603	09-12-1995	Nielson et al.	
		US-5,466,591	11-14-1995	Abramson et al.	
		US-5,474,796	12-12-1995	Brennan	
		US-5,489,523	02-06-1996	Mathur	
		US-5,500,363	03-19-1996	Comb et al.	
		US-5,512,462	09-17-1999	Sorge et al.	
		US-5,534,407	07-09-1996	Tabor et al.	
		US-5,545,552	04-30-1996	Cheng et al.	
		US-5,556,772	09-17-1996	Sorge et al.	
<i>[Initials]</i>		US-5,618,702	04-08-1997	Scanlon	

[Signature] 5/23/06

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Sheet	2	of	7	Attorney Docket Number	04121.0116-08000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
<i>HL</i>		US-6,183,997 B1	02-06-2001	Hogrefe	
		US-6,333,165 B1	12-25-2001	Hogrefe	
		US-6,379,553 B1	04-30-2002	Hogrefe	
		US-6,410,277 B1	06-25-2002	Barnes	
<i>HL</i>		US-6,444,428 B1	09-03-2002	Hogrefe	
<i>HL</i>					

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Copy Encl. [¥]	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
<i>HL</i>	Y		DE 196 12779A1	10-02-1997	Boehringer Mannheim GmbH		
	Y		EP 0 265 293 B1	04-27-1988	Tabor et al.		
	Y		EP 0 386 857 B1	09-12-1990	Tabor et al.		
	Y		EP 0 416 755 A1	03-13-1991	Chatterjee		
	Y		EP 0 502 589 A2	09-09-1992	Mullis et al.		
	N		EP 0 669 401 A2	08-30-1995	Cheng et al.		
	N		EP 0 669 401 A3	08-30-1995	Cheng et al.		
	N		EP 0 745 687	12-04-1996	Frey et al.		Abstract
	Y		EP 0 870 832 A1	10-14-1998	Takara Shuzo Co., Ltd.		
	Y		EP 0 997 530 A1	05-03-2000	Takara Shuzo Co., Ltd.		
	Y		WO 89/06691 A2	07-27-1989	Gelfand et al.		
	Y		WO 91/02090 A1	02-21-1991	Burke et al.		
	Y		WO 92/06188 A2	04-16-1992	Barnes		
	Y		WO 92/06200 A1	04-16-1992	Gelfand et al.		
	Y		WO 92/09689 A1	06-11-1992	Mathur		
	Y		WO 94/26766 A A1	11-24-1994	Barnes		
	Y		WO 97/37038 A1	10-09-1997	Boehringer Mannheim GmbH		Abstract only
	Y		WO 98/42860 A1	10-01-1998	Stratagene		
	Y		WO 99/00506 A1	01-07-1999	Takara Shuzo Co., Ltd.		Abstract only
	Y		WO 01/09347 A2	02-08-2001	Hogrefe et al.		
	Y		WO 01/09347 A3	02-08-2001	Hogrefe et al.		
<i>HL</i>	Y		WO 01/16333 A1	03-08-2001	Allen et al.		

¥ Copies that are not enclosed were previously submitted by the applicants or cited by the Examiner or are U.S. Patents or published applications.

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**INFORMATION DISCLOSURE
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Copy Encl.*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶	
JK	N		Albrecht et al., Swiss-Pat accession number Q01034, April 1, 1993.		
	Y		Anonymous, "Recombinant Vent _R ™ DNA Polymerase," The Neb Transcript, 1991, Vol. 3, page 4.		
	Y		Baker et al., "Polymerases and the replisome: machines within machines," <i>Cell</i> , 92:295-305, 1998.		
	Y		Barnes, "The fidelity of <i>Taq</i> polymerase catalyzing PCR is improved by an N-terminal deletion," <i>Gene</i> , 112: 29-35 (1992).		
	N		Barnes, "PCR Amplification of up to 35-kb DNA with high fidelity and high yield from lamda bacteriophage templates," <i>Proc. Natl. Acad. Sci. USA</i> , 91:2216-2220 (1994).		
	N		Bork, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <i>Genome Research</i> , 10:398-400 (2000).		
	Y		Brown, <i>Molecular Biology LabFax</i> , pages 140-153 (1991), Bios Scientific Publishers, Blackwell Scientific Publications, United Kingdom.		
	N		Broun et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," <i>Science</i> , 282:1315-1317 (1998).		
	N		Bult et al., PIR accession number D64437, September 13, 1996.		
	N		Bult et al., PIR 68 accession number F64353, September 16, 1996.		
	Y		Cheng et al., "Effective amplification of long targets from cloned inserts and human genomic DNA" <i>Proc. Natl. Acad. Sci.</i> , 91:5695-5699 (1994).		
	N		Chevet et al., "Low concentrations of tetramethylammonium chloride increase yield and specificity of PCR," <i>Nucl. Acid Res.</i> , 23(16):3343-3344 (1995).		
	Y		Clark et al., "Novel blunt-end addition reactions catalyzed by DNA Polymerase I of <i>Escherichia coli</i> ," <i>Journal of Molecular Biology</i> , 198:123-127 (1987).		
	Y		Clark, "Novel non-templated nucleotide addition reactions catalyzed by procaryotic and eucaryotic DNA polymerases," <i>Nucleic Acids Research</i> , 16:9677-9686 (1988).		
	N		Cohen et al., <i>Genomics</i> , 40(1):213-215 (1997)		
	Y		Deng et al., "Site-directed mutagenesis of virtually any plasmid by eliminating a unique site," <i>Analytical Biochemistry</i> , 200:81-88 (1992).		
	Y		Eckert et al., "Effect of reaction pH on the fidelity and processivity of exonuclease-deficient klenow polymerase," <i>J. Biol. Chem.</i> , 268:13462-13471 (1993).		
	Y		Foord et al., "Long Distance PCR" In <i>PCR Primer</i> , pages 63-77 (1995), Dieffenbach and Dveksler, eds., Cold Spring Harbor Press.		
	N		Gadsden et al., Swiss-Pat accession number P33317, February 1, 1994.		
	N		Gottlieb et al., "Interaction of herpes Simplex Virus Type 1 DNA Polymerase and the UL42 Accessory Protein with a Model Primer Template" <i>Journal of Virology</i> , 68(8):4937-4945 (1994).		
	Y		Hall et al., "A rapid and efficient method for site-directed mutagenesis by PCR, using biotinylated universal primers and streptavidin-coated magnetic beads," <i>Protein Engineering</i> , 4(5):601 (1991).		
	Y		Hemsley et al., "A simple method for site-directed mutagenesis using the polymerase chain reaction," <i>Nucleic Acids Research</i> , 17(16):6545-6551 (1989).		
	Y		Henke et al., "Betaine improves the PCR amplification of GC-rich DNA sequences," <i>Nucl Acid Res.</i> , 25:3957-3958 (1997).		
	Y		Ho et al., "Site-directed mutagenesis by overlap extension using the polymerase chain reaction," <i>Gene</i> , 77(1):51-59 (1989).		
	N		Hogrefe et al., "Archaeal dUTPase enhances PCR amplifications with archaeal DNA polymerases by preventing dUTP incorporation." <i>Proc. Natl. Acad. Sci. USA</i> , 99(2):596-601 (2002).		
	Y		Hu, "DNA polymerase-catalyzed addition of nontemplated extra nucleotides to the 3' end of a DNA fragment," <i>DNA and Cell Biology</i> , 12(8):763-770 (1993).		
JK	Y		Huang et al., "DNA polymerase C of the thermophilic bacterium <i>Thermus aquaticus</i> : classification and phylogenetic analysis of the family C DNA polymerases," <i>J Mol. Evol.</i> , 48:756-69 (1999).		

* Copies that are not enclosed were previously submitted by the applicants or cited by the Examiner or are U.S. Patents or published applications.

5/23/06

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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First Named Inventor Holly HOGREFE et al.

Art Unit 4634 1652

Examiner Name Thomas John O'FARRELL RAMIREZ, DELIA

Attorney Docket Number 04121.0116-08000

NON PATENT LITERATURE DOCUMENTS

mc	Y	Hultman et al., "Solid phase <i>in vitro</i> mutagenesis using plasmid DNA template," <i>Nucleic Acids Research</i> , 18(17):5107-5111 (1990).
	N	Hung et al., "A specificity enhancer for polymerase chain reaction," <i>Nucl. Acid Res.</i> , 18(16):4953 (1990).
	Y	Ishino et al., "A novel DNA polymerase family found in <i>Archaea</i> ," <i>J. Bacteriol.</i> , 180:2232-36 (1998).
	Y	Jones et al., "DNA mutagenesis and recombination," <i>Nature</i> , 344:793-794 (1990).
	Y	Jones et al., "Recombinant circle PCR and recombination PCR for site-specific mutagenesis without PCR product purification," <i>BioTechniques</i> , 12(4):528-533 (1992).
	Y	Joyce et al., "Purification of <i>Escherichia coli</i> DNA polymerase I and klenow fragment," <i>Methods in Enzymology</i> , 262:3-13 (1995).
	Y	Kellog et al., "TaqStart Antibody™: 'Hot start' PCR facilitated by a neutralizing monoclonal antibody directed against <i>Taq</i> DNA polymerase," <i>BioTechniques</i> , 16:1134-1137 (1994).
	N	Kelman et al., "Structural and functional similarities of prokaryotic and eukaryotic DNA polymerase sliding clamps," <i>Nucl. Acid Res.</i> , 23(18):3613-3620 (1995).
	N	Kletzin, Swiss-Prot accession number Q02103, April 1, 1993.
	Y	Kohler et al., "Development of a short-term, <i>in vivo</i> mutagenesis assay: the effects of methylation on the recovery of a lambda phage shuttle vector from transgenic mice," <i>Nucl. Acid Res.</i> , 18:3007-3013 (1990).
	Y	Krislansson, <i>Thermophilic Bacteria</i> , CRC Press, Inc. (1992).
	Y	Kunkel, "Rapid and efficient site-specific mutagenesis without phenotypic selection," <i>Proc Natl Acad Sci USA</i> , 82:488-492 (1985).
	Y	Landre et al., "The Use of Cosolvents to Enhance Amplification by the Polymerase Chain Reaction," In <i>PCR Strategies</i> , pages 3-16 (1995), M. Innis et al., eds. Academic Press, Inc., San Diego, CA.
	Y	Landt et al., "A general method for rapid site-directed mutagenesis using the polymerase chain reaction," <i>Gene</i> , 96:125-128 (1990).
	Y	Lasken et al., "Archaeobacterial DNA polymerases tightly bind uracil-containing DNA," <i>J. Biol. Chem.</i> , 271(30):17692-17696 (1996).
	Y	Lawyer et al., "High-level expression, purification, and enzymatic characterization of full-length <i>Thermus aquaticus</i> DNA polymerase and a truncated form deficient in 5' and 3' exonuclease activity," <i>PCR Methods and Applications</i> , 2:275-87 (1993).
	Y	Lehninger et al., <i>Principles of Biochemistry</i> , 2 nd Edition, pp. 822-824 (1993), published by Worth Publishers, New York, New York.
	Y	Livingston et al., "Affinity chromatography of avian type C Viral reverse transcriptase: studies with Rous Sarcoma virus transformed rat cells," <i>Virology</i> , 50:388-95 (1972).
	N	Lundberg et al., "High-fidelity amplification using a thermostable DNA polymerase isolated from <i>Pyrococcus furiosus</i> ," <i>Gene</i> , 108:1-6 (1991).
	N	Lundberg et al., Swiss-Prot accession number P06968, April 1, 1988.
	Y	Makinjemi et al., "A novel family of DNA-polymerase-associated B subunits," <i>Trends in Biochem. Sci.</i> , 24:14-16 (1999).
	Y	Mattila et al., "Fidelity of DNA synthesis by the <i>Thermococcus litoralis</i> DNA polymerase - an extremely heat stable enzyme with proofreading activity," <i>Nucl. Acid Res.</i> , 19:4967-4973 (1991).
	N	Mercer et al., Swiss-Prot accession number P14597, April 1, 1990.
	Y	McHenry et al., "Purification and characterization of DNA polymerase III," <i>J. Biol. Chem.</i> , 257:2657-2663 (1982).
	Y	Morrison et al., "Eukaryotic DNA polymerase amino acid sequence required for 3' → 5' exonuclease activity," <i>PNAS USA</i> , 88:9437-9477 (1991).
	N	Mukai et al., "Long and Accurate (LA) PCR with Greater Fidelity and Higher Yields Using TaKaRa LA," <i>Oncor TaKaRa LA PCR Kit Application Note</i> .
	Y	Nassal et al., "PCR-based site-directed mutagenesis using primers with mismatched 3'-ends," <i>Nucl. Acid Res.</i> , 18(10):3077-3078 (1990).
mc	Y	Nelson et al., "A general method of site-specific mutagenesis using a modification of the <i>Thermus aquaticus</i> polymerase chain reaction," <i>Analytical Biochemistry</i> , 180:147-151 (1989).

5/23/06

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7

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NON PATENT LITERATURE DOCUMENTS

in	Y	Nieto et al., "Effects of temperature and pH on the regeneration of the amino groups of ovalbumin after modification with citraconic and dimethylmaleic anhydrides," <i>Biochem. Biophys. Acta.</i> , 749:204-210 (1983).
	Y	Ohler et al., "Optimization of long-distance PCR using a transposon-based model system," <i>PCR Methods & Applications</i> , 2:51-59 (1992).
	N	Oncor Fidelity DNA Sequencing System Product Profile, Aug. 1995.
	Y	Perler et al., "Thermostable DNA polymerases," <i>Adv. Prot. Chem.</i> , 48:377-435 (1996).
	Y	Perrino et al., "Proofreading by the ϵ subunit of <i>Escherichia coli</i> DNA polymerase III increases the fidelity of calf thymus DNA polymerase α ," <i>Proc. Natl. Acad. Sci. USA</i> , 86:3085-3088 (1989).
	Y	Perrino et al., "Differential Extension of 3' mispairs is a major contribution to the High Fidelity of Calf Thymus DNA Polymerase- α ," <i>J. Biol. Chem.</i> , 264(5):2898-2905 (1989).
	Y	Perrino et al., "Hydrolysis of 3'-terminal mispairs in vitro by the 3'→5' exonuclease of DNA polymerase δ permits subsequent extension by DNA polymerase α ," <i>Biochemistry</i> , 29: 5226-5231 (1990).
	Y	Prangishvili et al., "Biochemical and phylogenetic characterization of the dUTPase from the archaeal virus SIRV," <i>J. Biol. Chem.</i> , 273:6024-6029 (1998).
	N	Randall et al., "High-Resolution Sequencing of Double-Stranded DNA with the Fidelity DNA Sequencing System," <i>Oncor Fidelity DNA Sequencing System Application Note</i> .
	N	Richter et al., "Cloning and sequencing of the gene for the cytoplasmic inorganic pyrophosphatase from the thermoacidophilic archaeobacterium <i>Thermoplasma acidophilum</i> ," <i>Eur. J. Biochem.</i> , 209:351-355 (1992).
	Y	Robb and Place eds., <i>Archea: A Laboratory Manual</i> , Cold Spring Harbor Press (1995).
	Y	Salki et al., "Enzymatic amplification of β -globin genomic sequences and restriction site analysis for diagnosis of sickle cell anemia," <i>Science</i> , 230:1350-1354 (1985).
	Y	Sambrook et al., <i>Molecular Cloning</i> , Cold Spring Harbor Press (1989).
	N	Sarkar et al., "Formamide can dramatically improve the specificity of PCR," <i>Nucl. Acid Res.</i> , 18(24):7465 (1990).
	N	Schwarz et al., "Improved yields of long PCR products using gene 32 protein," <i>Nucl. Acid Res.</i> , 18(4):1079 (1990).
	Y	Sears et al., "CircumVent™ thermal cycle sequencing and alternative manual and automated DNA sequencing protocols using highly thermostable Vent _R ™ (exo-) DNA polymerase," <i>BioTechniques</i> , 13(4):626-633 (1992).
	N	Seffernick et al., <i>J. Bacteriol.</i> , 183(8):2405-2410 (2001).
	N	Slupphaug et al., "Low Incorporation of dUMP by Some Thermostable DNA Polymerase May Limit Their Use in PCR Amplifications," <i>Analytical Biochemistry</i> , 211:164-169 (1993).
	Y	Southworth et al., "Cloning of thermostable DNA polymerases from hyperthermophilic marine Archaea with emphasis on <i>Thermococcus</i> sp. 9 ^N -7 and mutations affecting 3'-5' exonuclease activity," <i>Proc. Natl. Acad. Sci.</i> , 93:5281-5285 (1996).
	N	Spitzer et al., "dfp gene of <i>Escherichia coli</i> K-12, a locus affecting DNA synthesis, codes for a flavoprotein," <i>Journal of Bacteriology</i> , 164:994-1003 (1985).
	N	Spitzer et al., " β -Alanine auxotrophy associated with dfp, a locus affecting DNA synthesis in <i>Escherichia coli</i> ," <i>Journal of Bacteriology</i> , 170(2):872-876 (1988).
	N	Tabor et al., "DNA sequence analysis with a modified bacteriophage T7 DNA polymerase," <i>Proc. Natl. Acad. Sci. USA</i> , 84:4767-4771 (1987).
	N	Takamatsu et al., "Mismatch DNA recognition protein from an extremely thermophilic bacterium, <i>Thermus thermophilus</i> HB8," <i>Nucl. Acid Res.</i> , 24(4):640-647 (1996).
	Y	Taylor et al. "The rapid generation of oligonucleotide-directed mutations at high frequency using phosphorothioate-modified DNA," <i>Nucleic Acids Research</i> , 13(24):8765-8775 (1985).
	Y	Tindall et al., "Fidelity of DNA synthesis by the <i>Thermus aquaticus</i> DNA polymerase," <i>Biochemistry</i> , 27: 6008-6013 (1988).
in	N	Tsurumi et al., "Functional Interaction between Epstein-Barr Virus DNA Polymerase Catalytic Subunit and its accessory subunit in vitro," <i>Journal of Virology</i> , 67(12):7648-7653 (1993).

5/23/06

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NON PATENT LITERATURE DOCUMENTS			
Y		Udy et al., "Microplate DNA preparation, PCR screening and cell freezing for gene targeting in embryonic stem cells," <i>BioTechniques</i> , 17(5):887-894 (1994).	
Y		Uemori et al., "Organization and nucleotide sequence of the DNA polymerase gene from the archaeon <i>Pyrococcus furiosus</i> ," <i>Nucl. Acids Res.</i> , 21:259-65 (1993)	
Y		Uemori et al., "A novel DNA polymerase in the hyperthermophilic archaeon, <i>Pyrococcus furiosus</i> : gene cloning, expression, and characterization," <i>Genes to Cells</i> , 2:499-512 (1997).	
Y		Vallete et al., "Construction of mutant and chimeric genes using the polymerase chain reaction," <i>Nucleic Acids Research</i> , 17(2):723-733 (1989).	
Y		Vandeyar et al. "A simple and rapid method for the selection of oligodeoxynucleotide-directed mutants," <i>Gene</i> , 65:129-133 (1988).	
N		Van de Loo et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <i>Proc. Natl. Acad. Sci.</i> , 92:6743-6747 (1995).	
N		Wagner et al., "Mutation detection using immobilized mismatch binding protein (MutS)" <i>Nucl. Acid Res.</i> , 23(19):3944-3948 (1995).	
N		Wang et al., Swiss-Prot accession number P28248, December 1, 1992.	
N		Wang et al., "dcd (dCTP Deaminase) Gene of <i>Escherichia coli</i> : Mapping, Cloning, Sequencing, and Identification as a Locus of Suppressors of Lethal <i>dut</i> (dUTPase) Mutations," <i>Journal of Bacteriology</i> , 174(17):5647-5653 (1992).	
Y		Watkins et al., "A rapid method for site-specific mutagenesis using larger plasmids as templates," <i>BioTechniques</i> , 15(4):700-704 (1993).	
Y		Weiner et al., "A method for the site-directed mono- and multi-mutagenesis of double-stranded DNA," <i>Gene</i> , 126:35-41 (1993).	
N		Wikowski et al., <i>Biochemistry</i> , 38:11643-11650 (1999).	
Y		Yao et al. "Site-directed mutagenesis of herpesvirus glycoprotein phosphorylation sites by recombination polymerase chain reaction," <i>PCR Methods and Applications</i> , 1:205-207 (1992).	
N		Young et al., "Structure and Function of the Bacteriophage T4 DNA Polymerase Holoenzyme," <i>Biochemistry</i> , 31(37):8675-8690 (1992).	
Y		Zhu et al. "The use of exonuclease III for polymerase chain reaction sterilization," <i>Nucl. Acids Res.</i> , 19(9):2511 (1991).	
N		E.M.B.L. Database Accession Number Q02103 (1993).	
N		E.M.B.L. Database Accession Number P44953 (1995).	
N		GenBank Accession Number U62891 and AAC51123, 1996	
Y		Office Action mailed March 2, 1999, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Amendment and Response to March 2, 1999, Office Action filed September 2, 1999, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Office Action mailed November 23, 1999, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Response Under 37 C.F.R. § 1.116 filed August 16, 2000, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Advisory Action mailed March 1, 2001, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Office Action mailed February 27, 2002, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Amendment filed July 29, 2002, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Office Action mailed October 8, 2002, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Amendment filed March 10, 2003, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	
Y		Office Action mailed May 6, 2003, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.	

¥ Copies that are not enclosed were previously submitted by the applicants or cited by the Examiner or are U.S. Patents or published applications.

5/23/06

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/738,917	
			Filing Date	December 16, 2003	
			First Named Inventor	Holly HOGREFE et al.	
			Art Unit	1634 1652	
			Examiner Name	Thomas John O'FARRETT CAMIREZ, DECIA	
Sheet	7	of	7	Attorney Docket Number	04121.0116-08000

NON PATENT LITERATURE DOCUMENTS			
in	Y		Amendment After Final filed November 7, 2003, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.
1	Y		Advisory Action mailed April 20, 2004, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.
	Y		Amendment filed September 13, 2004, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.
	Y		Office Action mailed November 18, 2004, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.
	Y		Amendment filed May 18, 2005, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.
	Y		Office Action mailed August 9, 2005, in U.S. Patent Application No. 08/957,709, filed October 24, 1997.
	Y		Office Action mailed March 25, 2003, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Amendment filed August 25, 2003, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Amendment (replacement) dated November 3, 2003, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Office Action mailed December 29, 2003, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Amendment After Final filed April 29, 2004, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Advisory Action mailed May 27, 2004, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Office Action mailed July 21, 2004, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Amendment filed January 21, 2005, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Office Action mailed April 20, 2005, in U.S. Patent Application No. 09/631,614, filed August 4, 2000.
	Y		Office Action mailed July 3, 2002, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Response filed January 3, 2003, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Office Action mailed February 14, 2003, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Amendment After Final Office Action filed June 16, 2003, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Advisory Action mailed July 30, 2003, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Amendment After Final Office Action filed March 15, 2004, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Office Action mailed April 16, 2004, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Amendment filed October 18, 2004, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Office Action mailed January 12, 2005, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Response filed July 12, 2005, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
	Y		Advisory Action mailed August 23, 2005, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.
in	Y		Response filed February 13, 2006, in U.S. Patent Application No. 09/631,613, filed August 4, 2000.

Examiner Signature		Date Considered	5/23/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¥ Copies that are not enclosed were previously submitted by the applicants or cited by the Examiner or are U.S. Patents or published applications.